

09/818,715

**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S13 1	2571	(715/513).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/14 14:19
S13 2	397	(715/523).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/14 14:19
S13 3	1120	(715/530).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/14 14:20
S13 4	3799	(707/102).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/14 14:20
S13 5	4835	(707/1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/14 14:20
S13 6	1083	(705/3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/14 14:20
S13 7	1963	(705/2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/14 14:20
S13 8	54	dicom with xml	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 14:24
S13 9	3	dicom and (xml adj builder)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:07
S14 0	70	parser with xml with build\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:02

## EAST Search History

S14 1	24	(xml with builder) with parse\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:10
S14 2	3	dicom and (xml with builder)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:16
S14 3	3	dicom and (document with builder)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:07
S14 4	26	(xml with builder) with pars\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:28
S15 2	70	dicom same xml	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:18
S15 3	13	dicom same xml and (dtd (document with type with definition))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:19
S15 4	7	pars\$5 with (builder) with map\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:29
S15 5	2	(dicom (Digital adj Imaging near3 Communications near2 Medicine)) with pars\$5 with (xml) with map\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:30
S15 6	1	(dicom (Digital adj Imaging near3 Communications near2 Medicine)) with pars\$5 with (xml with build\$6) with map\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:31
S15 7	8	pars\$5 with (xml with build\$6) with map\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/14 15:31
S16 7	151	dicom and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/08/31 12:56

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S16 8	76	dicom with Structured and Report	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14
S20 5	69	medic\$5 with report\$5 same xml	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14
S20 6	27	translat\$5 with medic\$5 same xml	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14
S20 7	36	convert\$5 with medic\$5 same xml	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14
S21 1	87	xml and (xslt adj template)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14
S22 7	196	xml with conform with dtd	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14
S22 8	79	(xml with conform with dtd) and (template)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14
S24 1	10	medicine with structur\$5 with report same xml	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 11:14

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L8	1	(dicom and xml and attribute and value and code).clm.	US-PGPUB	OR	ON	2007/11/20 16:58
L9	6	(dicom and xml and attribute).clm.	US-PGPUB	OR	ON	2007/11/20 16:58
L10	4	(dicom and xml and code).clm.	US-PGPUB	OR	ON	2007/11/20 16:58
L11	4	(dicom and xml and value).clm.	US-PGPUB	OR	ON	2007/11/20 16:58


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[S Neu](#)
[D Sluis](#)

[CytometryML, an XML Format Based on DICOM and FCS for Analytical Cytology Data - all 3 versions »](#)

RC Leif, SB Leif, SH Leif - Cytometry Part A, 2003 - doi.wiley.com

... The Intel Pentium processor (13) "can **convert** between big-endian and little-endian formats," and the ... CytometryML is based on **DICOM** and **XML** and includes ...

Cited by 9 - [Related Articles](#) - [Web Search](#)

[DICOM XML DTD/schema generator - all 7 versions »](#)

J Hu, KP Lee - US Patent 6,725,231, 2004 - Google Patents

... (54) **DICOM XML** DTD/SCHEMA GENERATOR (75) Inventors: Jingkun Hu, Nyack, NY (US);

Kwok Pun Lee, Yorktown Heights, NY (US) ... **DICOM XML** DTD & Schema 1 60 ...

Cited by 3 - [Related Articles](#) - [Web Search](#)

[\[PDF\] DICOM SR—integrating structured data into clinical information systems - all 2 versions »](#)

D Sluis, KP Lee, N Mankovich - MedicaMundi, Aug, 2002 - medical.philips.com

... The first step in the process of converting to **DICOM** SR is to **convert** the data into an **XML** document - a relatively simple task. ...

Cited by 8 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[\[PDF\] PACS and Electronic Health Records - all 7 versions »](#)

S Cohen, F Gilboa, U Shani - Medical Imaging 2002 conference, 2002 - haifa.ibm.com

... this paper is that future medical information systems will **convert** data from ... of data retrieved from PACS systems through **DICOM** to HL7 standard **XML** documents ...

Cited by 2 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Enterprise-wide PACS: Beyond Radiology, an Architecture to Manage All Medical Images1 - all 5 versions »](#)

D Bandon, C Lovis, A Geissbühler, JP Vallée - Academic Radiology, 2005 - Elsevier

... or TIFF formats. We implemented a **DICOM-XML** to **DICOM** **converter** broker to communicate with our PACS. Enlarge Image (72K). Figure 2 ...

Cited by 5 - [Related Articles](#) - [Web Search](#)

[The JAVA-based DICOM query interface DicoSE - all 3 versions »](#)

M Prinz, G Fischer, E Schuster - International Journal of Medical Informatics, 2005 - Elsevier

... databases and it is very easy to **convert XML** data by ... to be transferred manually from the **DICOM** documents to ... The **XML**-version of the standard which is currently ...

Cited by 2 - [Related Articles](#) - [Web Search](#)

[\[PDF\] " DICOM import and export plugins - all 2 versions »](#)

T Hacklaender - iftm.de

... Its purpose is to look inside a **DICOM** image. It also allows to **convert** a **DICOM** image to a **XML** representation and to process that by a XSL processor. ...

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[K Lee](#)

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[... Language Representation of DICOM Structured Reporting: A Case Study of Transcoding \*\*DICOM to XML\*\* - all 6 versions »](#)

A Tirado-Ramos, J Hu, KP Lee - Journal of the American Medical Informatics Association, 2002 - j-amia.org

[... Information Object Definition-based Unified Modeling Language Representation of DICOM Structured Reporting. A Case Study of Transcoding \*\*DICOM to XML\*\*. ...](#)

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KP Lee, J Hu - Journal of the American Medical Informatics Association, 2003 - j-amia.org

[... Tirado-Ramos A, Hu J, Lee KP. IOD-based UML representation of DICOM structured reporting: A case study on transcoding \*\*DICOM to XML\*\*. ...](#)

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[Generating XML schemas for DICOM structured reporting templates - all 5 versions »](#)

L Zhao, KP Lee, J Hu - Journal of the American Medical Informatics Association, 2005 - Elsevier

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Cited by 6 - [Related Articles](#) - [Web Search](#)

[MammoGrid: A Service Oriented Architecture based Medical Grid Application - all 8 versions »](#)

SR Amendolia, F Estrella, W Hassan, T Hauer, D ... - Lecture Notes in Computer Science, 2004 - Springer

[... This includes validation services and \*\*DICOM-to-XML\*\* and XML-to-DICOM translators, as well as an OGSA Gateway consisting of Security, Look-up and File Cata ...](#)

Cited by 7 - [Related Articles](#) - [Web Search](#)

[\[PDF\] DICOM structured reporting: an object model as an implementation boundary - all 6 versions »](#)

DA Clunie - ComView Corporation, www. google. com, Jun, 2001 - dclunie.com

[... parsing a DICOM SR document directly into an internal representation and implementing](#)

a DOM interface, according to a defined **DICOM to XML** transformation, but ...

Cited by 5 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[DICOM XML DTD/schema generator - all 7 versions »](#)

J Hu, KP Lee - US Patent 6,725,231, 2004 - Google Patents

[... 09/686,401, Tirado-Ramos et al., filed Oct. 10, 2000. Concurrently filed., "\*\*DICOM to XML\*\* Generator", Kwon Pun Lee et al, Docket US010071, Mar. 27, 2000. 1 10 ...](#)



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[K Lee](#)

**[DICOM XML DTD/schema generator - all 7 versions »](#)**

[J Hu](#)

J Hu, KP Lee - US Patent 6,725,231, 2004 - Google Patents

[B AT](#)

... Concurrently filed., **"DICOM to XML Generator"**, Kwon Pun Lee et al ... without modification

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to the DICOM- to-**raw**-XML process. ... DICOM **DTD** and Schema XS LT Stylesheets ...

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**[Design of a web-based medical database for computer-assisted orthopedic surgery](#)**

T Wu, G Müller, E Schkommodau, K Radermacher, F ... - International Congress Series, 2001 - Elsevier

... certain converting tools such as a **DICOM-to-XML** converter have been developed in order to convert the **raw** data into XML files. A VOEU specific **DTD** will be ...

Cited by 1 - [Related Articles](#) - [Web Search](#)

**[DICOM TO XML GENERATOR - all 4 versions »](#)**

J HU, KP LEE - EP Patent 1,397,761, 2004 - freepatentsonline.com

... XSLT stylesheets for the conversion of **raw** XML formatted ... US patent application **"DICOM**

**XML DTD/SCHEMA GENERATOR** ... block diagram of a **DICOM to XML** conversion system ...

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**[DICOM to XML generator](#)**

KP Lee, J Hu - 2002 - freepatentsonline.com

... XSLT stylesheets for the conversion of **raw** XML formatted ... US patent application **"DICOM**

**XML DTD/SCHEMA GENERATOR** ... block diagram of a **DICOM to XML** conversion system ...

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**[PatentView/EP1508116](#)**

BE AT, DE CH, ES DK, GB FR, IE GR, LI IT, MC LU, ... - gauss.ffii.org

... modification to the DICOM-to-**raw**-XML process ... DICOM specification into an XML **DTD/Schema** in ... Concurrently filed US patent application **"DICOM TO XML GENERATOR"**, ...

...

Cached - [Web Search](#)

**[PatentView/EP1397761](#)**

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A Tirado-Ramos, J Hu, KP Lee - Journal of the American Medical Informatics Association, 2002 - j-amia.org

... in this window] [in a new window], Table 3 **Data Type** Mappings. ... an **XML** DTD based on this **DICOM** SR UML model ... class (within the SRDocumentContent class) **maps** to **XML** ...

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[CytometryML, an \*\*XML\*\* Format Based on \*\*DICOM\*\* and FCS for Analytical Cytology Data - all 3 versions »](#)

RC Leif, SB Leif, SH Leif - Cytometry Part A, 2003 - doi.wiley.com

... Figure 2 shows how to **map** FCS list-mode **data** to the ... The example below demonstrates

the linkage of the **DICOM data types** and FCS keywords to the **XML** schema. ...

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[\[PDF\] A \*\*DICOM\*\* Compatible Format for Analytical Cytology Data, that can be Expressed in \*\*XML\*\* - all 7 versions »](#)

RC Leif, SB Leif - Optical diagnostics of living cells IV - newportinstruments.com

... Microscopy, **DICOM**, Waveform, Software, **XML**, Standards, Medical ... step for time parameter

(\$TIMES) **maps** to two ... be expressed as the Integer String **DICOM data type**. ...

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[Standards for detailed clinical models as the basis for medical \*\*data\*\* exchange and decision support - all 5 versions »](#)

JF Coyle, AR Mori, SM Huff - International Journal of Medical Informatics, 2003 - Elsevier

... institution would still need to **map** from the ... **DICOM**, Centre for European Normalisation (CEN), Good Electronic ... the permanent record how the **data** were originally ...

Cited by 16 - [Related Articles](#) - [Web Search](#)

[A markup language for electrocardiogram \*\*data\*\* acquisition and analysis \(ecgML\) - all 6 versions »](#)

H Wang, F Azuaje, B Jung, N Black - feedback, 2004 - biomedcentral.com

... This research applies the **DICOM** recommendation for defining ECG channel names ... Figure

10 Converting **XML**-based ECG record into tabular **data** using **map** files. ...

Cited by 9 - [Related Articles](#) - [Cached](#) - [Web Search](#)

[\[PDF\] CytometryML, a markup language for analytical cytology - all 4 versions »](#)

RC Leif, SH Leif, SB Leif - Manipulation and Analysis of Biomolecules, Cells and Tissues - newportinstruments.com

... The **DICOM** name **maps** to the **XML** element name. ... The **DICOM** Tag for each **data-type** serves

as a unique serial number. The code for the Tag\_Type is shown below. ...

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RC Leif, SB Leif, SH Leif - Cytometry Part A, 2003 - doi.wiley.com

... The Intel Pentium processor (13) "can **convert** between big ... These **XML** documents were

subse- quently edited to remove the ... of FCS List-Mode to **DICOM** Waveform This ...

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[\[PDF\] XDTM: The \*\*XML\*\* Dataset Typing and Mapping for Specifying Datasets](#) - all 2 versions »

L Moreau, Y Zhao, I Foster, J Voeckler, M Wilde - 2005 - eprints.ecs.soton.ac.uk

... as FITS files in astronomy or **DICOM** for medical ... XSIL with conditionals; it can **convert** binary files ... the input set, translated into another **XML** document using ...

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[DICOM \*\*XML\*\* DTD/schema generator](#) - all 7 versions »

J Hu, KP Lee - US Patent 6,725,231, 2004 - Google Patents

... By providing a **mapping** between the **DICOM** SR standard and ... Additionally, by providing

standard **XML** DTDs and Schemas for containing **DICOM** data, other commonly ...

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[XDTM: The \*\*XML\*\* Data Type and Mapping for Specifying Datasets](#) - all 7 versions »

L Moreau, Y Zhao, I Foster, J Voeckler, M Wilde - European Grid Conference, 2005 - Springer

... such as FITS files in astronomy or **DICOM** for medical ... since it can be used to **convert** XDTM atomic ... XDTM: The **XML** Data Type and **Mapping** for Specifying Datasets ...

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[WIRM An Open Source Toolkit for Building Biomedical Web Applications](#) - all 7 versions »

RM Jakobovits, C Rosse, JF Brinkley - Journal of the American Medical Informatics Association, 2002 - j-amia.org

... and the ability to automatically **convert** multimedia to ... for parsing and constructing **XML** documents. ... For example, **DICOM** images are automatically transformed into ...

[Cited by 15](#) - [Related Articles](#) - [Web Search](#)

[\[PDF\] PACS and Electronic Health Records](#) - all 7 versions »

S Cohen, F Gilboa, U Shani - Medical Imaging 2002 conference, 2002 - haifa.ibm.com

... These systems will collect and **convert** data from dispersed sources to ... would be better to use an **XML** Schema instead ... Table 3: **Mapping DICOM** VRs to HL7 Data Types ...

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### 1 [A survey and analysis of Electronic Healthcare Record standards](#)


 Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci  
 December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4
**Publisher:** ACM Press
 Full text available: pdf(844.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms of ...

**Keywords:** Electronic Healthcare Record standards, eHealth, interoperability

### 2 [Database theory, technology, and applications \(DTTA\): Incorporating fuzziness in XML and mapping fuzzy relational data into fuzzy XML](#)



Abhishek Gaurav, Reda Alhajj

April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06****Publisher:** ACM Press
 Full text available: pdf(133.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we present an approach for incorporating fuzzy and imprecise data in XML documents. We describe the ways to introduce fuzziness using both possibility theory and similarity relations. We then show how to map the data from a fuzzy relational database into a fuzzy XML document, with the corresponding XML schema. This approach will aid in liberating the data stored in fuzzy relational databases onto the web as fuzzy XML documents.

### 3 [PATAXÓ: A framework to allow updates through XML views](#)



Vanessa P. Braganholo, Susan B. Davidson, Carlos A. Heuser

September 2006 **ACM Transactions on Database Systems (TODS)**, Volume 31 Issue 3**Publisher:** ACM Press
 Full text available: pdf(1.02 MB) Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

XML has become an important medium for data exchange, and is frequently used as an



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### 1 [A survey and analysis of Electronic Healthcare Record standards](#)


 Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci  
 December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4

Publisher: ACM Press

 Full text available: pdf(844.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

**Keywords:** Electronic Healthcare Record standards, eHealth, interoperability

### 2 [Meta data management: Rondo: a programming platform for generic model management](#)


 Sergey Melnik, Erhard Rahm, Philip A. Bernstein  
 June 2003 **Proceedings of the 2003 ACM SIGMOD international conference on Management of data SIGMOD '03**

Publisher: ACM Press

 Full text available: pdf(392.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Model management aims at reducing the amount of programming needed for the development of metadata-intensive applications. We present a first complete prototype of a generic model management system, in which high-level operators are used to manipulate models and mappings between models. We define the key conceptual structures: models, morphisms, and selectors, and describe their use and implementation. We specify the semantics of the known model-management operators applied to these structures, ...

### 3 [Database theory, technology, and applications \(DTTA\): Incorporating fuzziness in XML and mapping fuzzy relational data into fuzzy XML](#)


 Abhishek Gaurav, Reda Alhajj  
 April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06**

Publisher: ACM Press